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RELIABILITY-CENTERED MAINTENANCE (RCM) IN OIL & GAS

Start Date:	22/02/2027	**End Date:**	26/02/2027
Categories:	Oil & Gas	**Venues:**	Milan
Formats:	In Person	**Instructors:**	

OVERVIEW

This course introduces the RCM methodology for identifying critical equipment functions, failure modes, and developing cost-effective maintenance strategies. It provides tools for improving asset reliability and performance in oil & gas operations.

OBJECTIVES

By the end of this course, participants will be able to: • Understand the principles and steps of the RCM process. • Identify critical systems and assess failure risks. • Develop functional failure analysis and maintenance tasks. • Select the optimal strategy: predictive, preventive, or run-to-failure. • Enhance asset performance and optimize lifecycle cost.

COURSE OUTLINE

1. Introduction to RCM and Asset Reliability 2. Functional Failure Analysis and FMEA 3. Maintenance Task Selection and Strategy Definition 4. Implementing RCM in Operational Environments 5. Measuring Reliability and Continuous Improvement

TARGET AUDIENCE

Maintenance engineers, reliability specialists, asset integrity professionals, and technical managers in upstream and downstream facilities.

METHODOLOGY

FMEA workshops, case analysis, strategy mapping, and decision modeling.

CONCLUSION

Participants will gain the skills to implement RCM and design tailored maintenance programs that improve safety, uptime, and operational efficiency.

DAILY AGENDA

Day 1: RCM Fundamentals and Methodology

RCM philosophy, history, and implementation steps in oil & gas.

Day 2: Identifying Functions and Failures

Function identification, FMEA, and system criticality analysis.

Day 3: Maintenance Strategy Development

Choosing between predictive, preventive, or failure-based tactics.

Day 4: RCM Implementation in the Field

Integrating RCM with CMMS and training maintenance teams.

Day 5: Reliability Monitoring and Review

Tracking performance and optimizing maintenance plans.

For more information, please contact us:
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